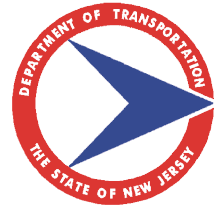


***New Jersey Department of Transportation***

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600

***Baseline Document Change Announcement***



**AASHTO**

**Test method number updated**

**BDC03S-19**

**November 26, 2003**

**SUBJECT: Revision to Subsections 106.06, 203.08, 203.10, 204.03, 301.05, 302.09, 519.03, 520.03, and 901.08 of the 2001 Standard Specifications for Road and Bridge Construction in English and Metric units**

Subsections 106.06, 203.08, 203.10, 204.03, 301.05, 302.09, 519.03, 520.03, and 901.08 have been revised to specify updated AASHTO test method number for Nuclear Density Testing, since AASHTO T 238, Method B and AASHTO T 239 have been replaced by a single test method: AASHTO T 310 and AASHTO T 205 (Rubber-Balloon Method) has been deleted.

The following revisions have been incorporated in the English unit *Standard Input SI2001E1* dated November 26, 2003.

**106.06 Materials Field Laboratory.**

**1. Laboratory.**

**z.**

THE FIRST SENTENCE IS CHANGED TO:

Equipment and test apparatus conforming to that listed in AASHTO T 310 when the Pay Item "Nuclear Density Gauge" appears in the Proposal.

**(1)**

TEXT IS CHANGED TO:

**(1)** Conformance to AASHTO T 310,

**203.08 Control Fill Method.**

**A. Control Strips.**

**4. Procedure.**

THE LAST SENTENCE OF THE FOURTH PARAGRAPH IS CHANGED TO:

Density of the control strip will be determined according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**B. Embankment Compaction.**

THE THIRD PARAGRAPH IS CHANGED TO:

The density of such inaccessible areas will be determined from the average of five randomly located measurements according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**203.10 Density Control Method.**

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The compacted density of embankments will be determined by taking the average of a minimum of five randomly located measurements for each 1,000 cubic yards placed according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**204.03 Construction Requirements.**

THE THIRD SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:

A minimum of two field density tests will be taken according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) on each compacted layer at each substructure unit, except that only one of the referenced methods will be used on the Project.

**301.05 Compaction.**

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The in-place dry density of each compacted layer will be determined according to AASHTO T 191 or T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**2. Compaction Acceptance Testing.**

THE THIRD SENTENCE OF THE LAST PARAGRAPH IS CHANGED TO:

One density determination will be made at each of the selected locations using AASHTO T 191 or T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**302.09 Compaction, Shaping, and Finishing.**

**A. Compaction.**

THE LAST SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:

The in-place dry density of each compacted course will be determined according to AASHTO T 191 or T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**519.03 Construction.**

**D Installation.**

**3. Compaction of Backfill Material.**

f.

THE SECOND SENTENCE IS CHANGED TO:

AASHTO T 310 (Direct Transmission Method) shall be used to determine the achieved density.

**520.03 Methods of Construction.**

**O. Compaction of Backfill Material.**

6.

THE SECOND SENTENCE IS CHANGED TO:

AASHTO T 310 (Direct Transmission Method) shall be used to determine the achieved density.

**901.08 Dense-Graded Aggregate.**

**C. Production from Mixture with RAP.**

6.

THE SECOND SENTENCE IS CHANGED TO:

When AASHTO T 310 (Direct Transmission Method, nuclear gauge method for measuring density and moisture content) is used to perform Compaction Acceptance Testing (Subsection 301.05, Subpart 2), a representative sample of five tests for each 5,000 square yards lot will be taken.

The following revisions have been incorporated in the Metric unit *Standard Input SI2001M1* dated November 26, 2003.

**106.06 Materials Field Laboratory.**

**1. Laboratory.**

z.

THE FIRST SENTENCE IS CHANGED TO:

Equipment and test apparatus conforming to that listed in AASHTO T 310 when the Pay Item “Nuclear Density Gauge” appears in the Proposal.

(1)

TEXT IS CHANGED TO:

(1) Conformance to AASHTO T 310,

**203.08 Control Fill Method.**

**A. Control Strips.**

**4. Procedure**

THE LAST SENTENCE OF THE FOURTH PARAGRAPH IS CHANGED TO:

Density of the control strip will be determined according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**B. Embankment Compaction.**

THE THIRD PARAGRAPH IS CHANGED TO:

The density of such inaccessible areas will be determined from the average of five randomly located measurements according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**203.10 Density Control Method.**

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The compacted density of embankments will be determined by taking the average of a minimum of five randomly located measurements for each 765 cubic meters placed according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**204.03 Construction Requirements.**

THE THIRD SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:

A minimum of two field density tests will be taken according to AASHTO T 191 or AASHTO T 310 (Direct Transmission Method) on each compacted layer at each substructure unit, except that only one of the referenced methods will be used on the Project.

**301.05 Compaction.**

THE LAST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

The in-place dry density of each compacted layer will be determined according to AASHTO T 191 or T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**2. Compaction Acceptance Testing.**

THE THIRD SENTENCE OF THE LAST PARAGRAPH IS CHANGED TO:

One density determination will be made at each of the selected locations using AASHTO T 191 or T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**302.09 Compaction, Shaping, and Finishing.**

**A. Compaction.**

THE LAST SENTENCE OF THE SECOND PARAGRAPH IS CHANGED TO:

The in-place dry density of each compacted course will be determined according to AASHTO T 191 or T 310 (Direct Transmission Method) except that only one method will be used throughout the Project.

**519.03 Construction.**

**D Installation.**

**3. Compaction of Backfill Material.**

f

THE SECOND SENTENCE IS CHANGED TO:

AASHTO T 310 (Direct Transmission Method) shall be used to determine the achieved density.

**520.03 Methods of Construction.**

**O. Compaction of Backfill Material.**

6.

THE SECOND SENTENCE IS CHANGED TO:

AASHTO T 310 (Direct Transmission Method) shall be used to determine the achieved density.

**901.08 Dense-Graded Aggregate.**

**C. Production from Mixture with RAP.**

6.

THE SECOND SENTENCE IS CHANGED TO:

When AASHTO T 310 (Direct Transmission Method, nuclear gauge method for measuring density and moisture content) is used to perform Compaction Acceptance Testing (Subsection

301.05, Subpart 2), a representative sample of five tests for each 4 000-square meter lot will be taken.

**Distribution and Announcement Access Information:**

This announcement is being distributed electronically to our in-house staff and various public agencies based on our distribution list maintained by the Engineering Documents Unit (EDU).

Internet access to this BDC Announcement can be downloaded and viewed from the following New Jersey Department of Transportation Web Page:

<http://www.state.nj.us/transportation/cpm/BaselineDocuments>

These revisions have been incorporated in the *Standard Inputs SI2001E1* and *SI2001M1* Dated November 26, 2003 from the following New Jersey Department of Transportation Web Page:

<http://www.state.nj.us/transportation/cpm/StandardInputs/standardinputs.htm>

Hard copies are available on a limited basis by contacting EDU at the following address:

Engineering Documents Unit  
E&O Building, 1<sup>st</sup> Floor  
1035 Parkway Avenue, PO Box 600  
Trenton, New Jersey 08625-0600  
Phone: (609) 530-5587  
Fax: (609) 530-6626

**Implementation Code R (ROUTINE)**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

**Recommended By:**

**Approved By:**

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Brian Strizki  
Director,  
Quality Management Services

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F. Howard Zahn  
Assistant Commissioner,  
Capital Program Management

BJS:KS:HVP  
BDC03S-19.doc